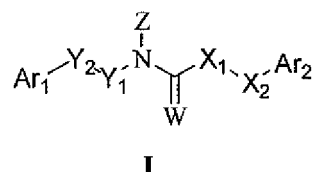


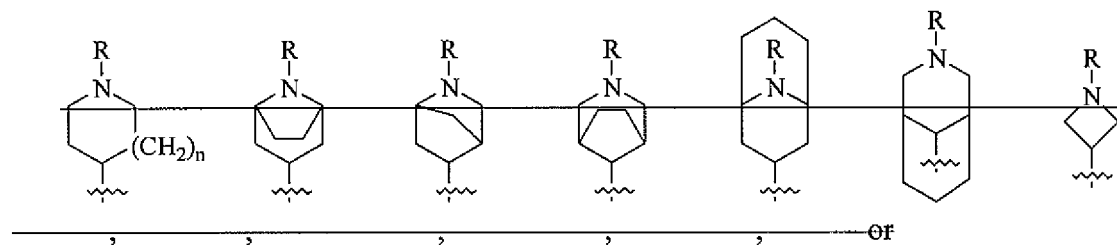
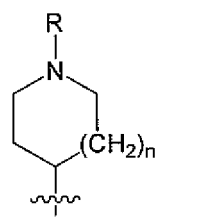
AMENDMENTS TO THE CLAIMS

1. (CURRENTLY AMENDED) A compound of formula (I)



wherein

Z is



in which

R is a hydrogen, a straight-chained or branched alkyl, a straight-chained or branched alkenyl, a straight-chained or branched alkynyl, a cycloalkyl, a cycloalkyl(C₁₋₆ alkyl) a cyclic or straight-chained or branched acyclic organyl group, a lower hydroxyalkyl group, a lower aminoalkyl group, [[or]] an aralkyl or a heteroaralkyl group;

n is [[0,]] 1[[, or 2]];

X₁ is methylene and X₂ is methylene or a bond; vinylene, or an NH or N(lower alkyl) group; and

X₂ is methylene, or, when X₁ is methylene or vinylene, X₂ is methylene or a bond; or when X₁ is methylene, X₂ is O, S, NH, or N(lower alkyl) or a bond;

Y₁ is methylene and Y₂ is methylene, vinylene, ethylene, propylene, or a bond; [[or]]

Y₁ is a bond and Y₂ is vinylene; or

~~Y₁ is ethylene and Y₂ is O, S, NH, or N(lower alkyl);~~

Ar₁ and Ar₂ independently are unsubstituted or substituted aryl groups or unsubstituted or substituted heteroaryl groups, provided that Ar₁ and Ar₂ are not simultaneously unsubstituted phenyl; and

W is oxygen or sulfur; or

a pharmaceutically acceptable salt or prodrug thereof.

2. (CURRENTLY AMENDED) A compound according to claim 1, wherein

R is hydrogen, a straight-chained or branched alkyl, a straight-chained or branched alkenyl, a straight-chained or branched alkynyl, a cycloalkyl, a cycloalkyl(C₁₋₆ alkyl) or a lower hydroxyalkyl group.

~~Y₁ is methylene and Y₂ is a bond, methylene, ethylene, or vinylene; or~~

~~Y₁ is ethylene and Y₂ is O or S;~~

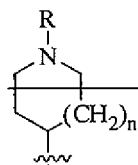
and

~~X₁ is methylene and X₂ is a bond, methylene, O, or S; or~~

~~X₁ is NH or N(lower alkyl) and X₂ is methylene.~~

3. (CURRENTLY AMENDED) A compound according to claim 2, wherein

[[Z is]]



[[and]] W is oxygen.

4. (ORIGINAL) A compound according to claim 3, wherein

Ar₁ and Ar₂ independently are mono- or disubstituted phenyl groups.

5. (CURRENTLY AMENDED) A compound according to claim 4, wherein

R is a hydrogen, a straight-chained or branched alkyl, a straight-chained or branched alkenyl, a straight-chained or branched alkynyl, a cycloalkyl, or a cycloalkyl(C₁₋₆ alkyl)~~a lower alkyl group, a cyclic organyl group, or a substituted or unsubstituted aralkyl or heteroaralkyl group;~~

[[n is 1;]]

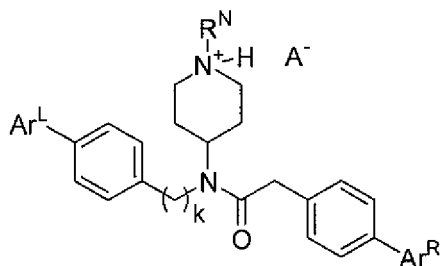
Y₁ is methylene, Y₂ is a bond[[,]] or methylene, ethylene, or vinylene;

X_1 is methylene and X_2 is a bond; [[, or.]]

X_1 is NH or N(lower alkyl) and X_2 is methylene; and

Ar_1 and Ar_2 are phenyl groups, independently *p*-substituted with groups selected from lower alkyl, lower alkoxy and halogen.

6. (CURRENTLY AMENDED) A compound according to claim 1, having a formula (II)



II

wherein R^N is hydrogen[[,]] or lower alkyl, ~~aralkyl, or heteroaralkyl;~~

Ar^L is selected from lower alkyl, lower alkoxy and halogen;

Ar^R is selected from lower alkyl, lower alkoxy and halogen;

k is 1 or 2;

and A^- is a suitable anion.

7. (CURRENTLY AMENDED) The compound according to claim 1, wherein the compound is selected from the group consisting of:

N-(1-(1-methylethyl)piperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-(1-(2,2-dimethylethyl)piperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-(1-pentylpiperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-(1-hexylpiperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-((4-methylphenyl)methyl)-N-(1-methylpiperidin-4-yl)-4-methoxyphenylacetamide;

N-(1-ethylpiperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

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N-((4-methylphenyl)methyl)-N-(1-propylpiperidin-4-yl)-4-methoxyphenylacetamide;

N-(1-butylpiperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

2-(4-t-Butoxyphenyl)-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl) acetamide;

2-(4-Butoxyphenyl)-N-(4-fluorobenzyl)-N-(1-methylpiperidin-4-yl) acetamide;

2-(4-Propoxyphenyl)-N-(4-fluorobenzyl)-N-(1-methylpiperidin-4-yl) acetamide;

2-(4-i-Propoxyphenyl)-N-(4-fluorobenzyl)-N-(1-methylpiperidin-4-yl) acetamide;

and

2-(4-t-Butoxyphenyl)-N-(4-fluorobenzyl)-N-(1-methylpiperidin-4-yl) acetamide

N-(1-cyclohexylpiperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-(1-cyclopentylpiperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-(1-cyclobutylpiperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-(1-cyclopropylpiperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-(1-(cyclopentylmethyl)piperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-(1-(cyclobutylmethyl)piperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-(1-(cyclopropylmethyl)piperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-(1-(2-hydroxyethyl)piperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-(1-(3-hydroxypropyl)piperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-((4-methylphenyl)methyl)-N-(piperidin-4-yl)-N'-phenylmethylcarbamide;

~~*N*-(4-methylphenyl)methyl)-*N*-(1-(2-methylpropyl)piperidin-4-yl)-*N*'-phenylmethylcarbamide;~~

~~*N*-(1-((2-bromophenyl)methyl)piperidin-4-yl)-*N*-(4-methylphenyl)methyl)-*N*'-phenylmethylcarbamide;~~

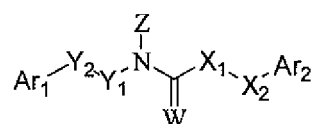
~~*N*-(1-((4-hydroxy-3-methoxyphenyl)methyl)piperidin-4-yl)-*N*-(4-methylphenyl)methyl)-*N*'-phenylmethylcarbamide;~~

~~*N*-(1-((5-ethylthien-2-yl)methyl)piperidin-4-yl)-*N*-(4-methylphenyl)methyl)-*N*'-phenylmethylcarbamide;~~

~~*N*-(1-(imidazol-2-ylmethyl)piperidin-4-yl)-*N*-(4-methylphenyl)methyl)-*N*'-phenylmethylcarbamide; and~~

~~*N*-(1-(cyclohexylmethyl)piperidin-4-yl)-*N*-(4-methylphenyl)methyl)-*N*'-phenylmethylcarbamide.~~

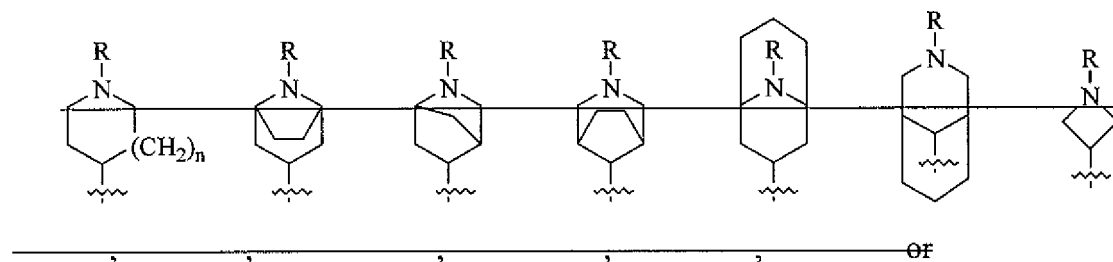
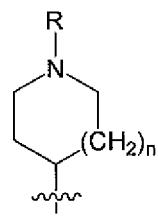
8. (CURRENTLY AMENDED) A compound of formula (I)



I

wherein

Z is



in which

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R is a hydrogen, a straight-chained or branched alkyl, a straight-chained or branched alkenyl, a straight-chained or branched alkynyl, a cycloalkyl, a cycloalkyl(C₁₋₆ alkyl) a cyclic or straight-chained or branched acyclic organyl group, a lower hydroxyalkyl group, a lower aminoalkyl group, ~~[[or]]~~ an aralkyl or a heteroaralkyl group; [[and]]

n is ~~[[0,]]~~ 1 ~~[[, or 2]]~~;

X₁ is methylene and X₂ is methylene or a bond; ~~vinylene, or an NH or N(lower alkyl) group; and~~

~~X₂ is methylene, or, when X₁ is methylene or vinylene, X₂ is methylene or a bond; or when X₁ is methylene, X₂ is O, S, NH, or N(lower alkyl) or a bond;~~

Y₁ is methylene and Y₂ is methylene, ~~vinylene, ethylene, propylene,~~ or a bond; ~~[[or]]~~

~~Y₁ is a bond and Y₂ is vinylene; or~~

~~Y₁ is ethylene and Y₂ is O, S, NH, or N(lower alkyl);~~

Ar₁ and Ar₂ are different unsubstituted or substituted aryl groups or unsubstituted or substituted heteroaryl groups; and

W is oxygen or sulfur; or

a pharmaceutically acceptable salt or prodrug thereof.

9. (CURRENTLY AMENDED) A compound according to claim 8, wherein

R is hydrogen, a straight-chained or branched alkyl, a straight-chained or branched alkenyl, a straight-chained or branched alkynyl, a cycloalkyl, a cycloalkyl(C₁₋₆ alkyl) or a lower hydroxyalkyl group. ~~Y₁ is methylene and Y₂ is a bond, methylene, ethylene, or vinylene; or~~

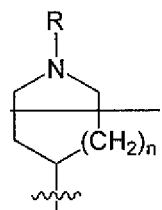
~~Y₁ is ethylene and Y₂ is O or S; and~~

~~X₁ is methylene and X₂ is a bond, methylene, O, or S; or~~

~~X₁ is NH or N(lower alkyl) and X₂ is a methylene.~~

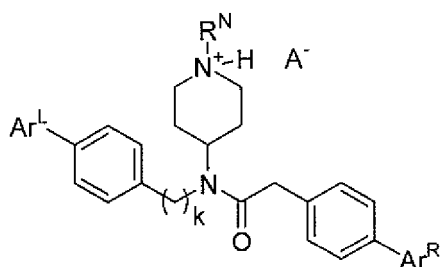
10. (CURRENTLY AMENDED) A compound according to claim 9, wherein

~~[[Z is]]~~



~~[[and]]~~ W is oxygen.

11. (ORIGINAL) A compound according to claim 10, wherein
Ar₁ and Ar₂ independently are mono- or disubstituted phenyl groups.
12. (CURRENTLY AMENDED) A compound according to claim 11, wherein
R is a hydrogen, a straight-chained or branched alkyl, a straight-chained or branched alkenyl, a straight-chained or branched alkynyl, a cycloalkyl, or a cycloalkyl(C₁₋₆ alkyl) ~~a lower alkyl group, a cyclic organyl group, or an, optionally substituted, alalkyl or heteroaralkyl group~~
[[**n is 1;**]]
Y₁ is methylene[[,]] and Y₂ is a bond[[,]] or methylene, ~~ethylene, or vinylene~~;
X₁ is methylene and X₂ is a bond₁[[, or]]
~~X₁ is NH or N(lower alkyl) and X₂ is methylene; and~~
Ar₁ and Ar₂ are phenyl groups, independently p-substituted with groups selected from alkyl, lower alkoxy and halogen.
13. (CURRENTLY AMENDED) A compound according to claim 7, having a formula (II):



II

wherein R^N is hydrogen[,] or lower alkyl, ~~aryl, or heteroaryl;~~

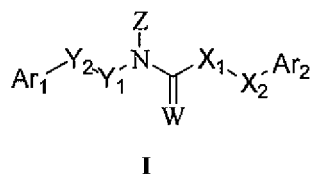
Ar^L is selected from lower alkyl, lower alkoxy and halogen;

Ar^R is selected from lower alkyl, lower alkoxy and halogen;

k is 1 or 2;

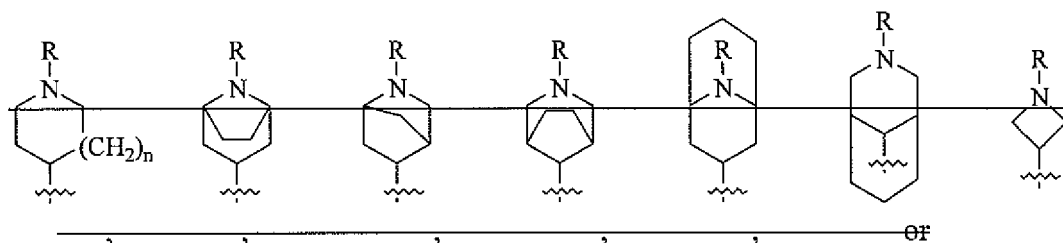
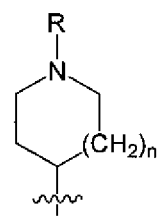
and A^- is a suitable anion.

14. (CURRENTLY AMENDED) A pharmaceutical composition comprising an effective amount of a compound of formula (I):



wherein

Z is



in which

R is a hydrogen, a straight-chained or branched alkyl, a straight-chained or branched alkenyl, a straight-chained or branched alkynyl, a cycloalkyl, or a cycloalkyl(C₁₋₆ alkyl) a cyclic or straight-chained or branched acyclic organyl group, a lower hydroxyalkyl group, a lower aminoalkyl group, [[or]] an aralkyl or heteroaralkyl group; [[and]]

n is [[0,]] 1[[, or 2]];

X₁ is methylene and X₂ is methylene or a bond; ~~vinylene, or an NH or N(lower alkyl) group;~~ and

~~X₂ is methylene, or, when X₁ is methylene or vinylene, X₂ is methylene or a bond; or when X₁ is methylene, X₂ is O, S, NH, or N(lower alkyl) or a bond;~~

Y₁ is methylene and Y₂ is methylene, ~~vinylene, ethylene, propylene,~~ or a bond; [[or]]

~~Y₁ is a bond and Y₂ is vinylene;~~ or

~~Y₁ is ethylene and Y₂ is O, S, NH, or N(lower alkyl);~~

Ar₁ and Ar₂ independently are unsubstituted or substituted aryl or heteroaryl groups, provided that Ar₁ and Ar₂ are not simultaneously phenyl; and

W is oxygen or sulfur;

or a pharmaceutically acceptable salt, ester or prodrug thereof, and

a pharmaceutically acceptable diluent or excipient.

15. (WITHDRAWN) A method of inhibiting an activity of a monoamine receptor comprising contacting the monoamine receptor or a system containing the monoamine receptor with an amount of one or more of the compounds of claim 1 that is effective in inhibiting the activity of the monoamine receptor.
16. (WITHDRAWN) The method of claim 15 wherein the monoamine receptor is a serotonin receptor.
17. (WITHDRAWN) The method of claim 16 wherein the serotonin receptor is the 5-HT_{2A} subclass.
18. (WITHDRAWN) The method of claim 16 wherein the serotonin receptor is in the central nervous system.
19. (WITHDRAWN) The method of claim 16 wherein the serotonin receptor is in the peripheral nervous system.
20. (WITHDRAWN) The method of claim 16 wherein the serotonin receptor is in blood cells or platelets.
21. (WITHDRAWN) The method of claim 16 wherein the serotonin receptor is mutated or modified.
22. (WITHDRAWN) The method of claim 15 wherein the activity is signaling activity.
23. (WITHDRAWN) The method of claim 15 wherein the activity is constitutive.
24. (WITHDRAWN) The method of claim 15 wherein the activity is associated with serotonin receptor activation.
25. (WITHDRAWN) A method of inhibiting an activation of a monoamine receptor comprising contacting the monoamine receptor or a system containing the monoamine receptor with an amount of a compound of one or more of the compounds of claim 1 that is effective in inhibiting the activation of the monoamine receptor.
26. (WITHDRAWN) The method of claim 25 wherein the activation is by an agonistic agent.

27. (WITHDRAWN) The method of claim 26 wherein the agonistic agent is exogenous.
28. (WITHDRAWN) The method of claim 26 wherein the agonistic agent is endogenous.
29. (WITHDRAWN) The method of claim 25 wherein the activation is constitutive.
30. (WITHDRAWN) The method of claim 25 wherein the monoamine receptor is a serotonin receptor.
31. (WITHDRAWN) The method of claim 30 wherein the serotonin receptor is the 5-HT_{2A} subclass.
32. (WITHDRAWN) The method of claim 30 wherein the serotonin receptor is in the central nervous system.
33. (WITHDRAWN) The method of claim 30 wherein the serotonin receptor is in the peripheral nervous system.
34. (WITHDRAWN) The method of claim 30 wherein the serotonin receptor is in blood cells or platelets.
35. (WITHDRAWN) The method of claim 30 wherein the serotonin receptor is mutated or modified.
36. (WITHDRAWN) A method of treating a disease condition associated with a monoamine receptor comprising administering to a subject in need of such treatment a therapeutically effective amount of one or more of the compounds of claim 1.
37. (WITHDRAWN) The method of claim 36 wherein the disease condition is selected from the group consisting of schizophrenia, psychosis, migraine, hypertension, thrombosis, vasospasm, ischemia, depression, anxiety, sleep disorders and appetite disorders.
38. (WITHDRAWN) The method of claim 36 wherein the disease condition is associated with dysfunction of a monoamine receptor.
39. (WITHDRAWN) The method of claim 36 wherein the disease condition is associated with activation of a monoamine receptor.
40. (WITHDRAWN) The method of claim 36 wherein the disease condition is associated with increased activity of monoamine receptor.
41. (WITHDRAWN) The method of claim 36 wherein the monoamine receptor is a serotonin receptor

42. (WITHDRAWN) The method of claim 41 wherein the serotonin receptor is the 5-HT_{2A} subclass.
43. (WITHDRAWN) The method of claim 41 wherein the serotonin receptor is in the central nervous system.
44. (WITHDRAWN) The method of claim 41 wherein the serotonin receptor is in the peripheral nervous system.
45. (WITHDRAWN) The method of claim 41 wherein the serotonin receptor is in blood cells or platelets.
46. (WITHDRAWN) The method of claim 41 wherein the serotonin receptor is mutated or modified.
47. (WITHDRAWN) A method of treating schizophrenia comprising administering to a subject in need of such treatment a therapeutically effective amount of a compound of one or more of the compounds of claim 1.
48. (WITHDRAWN) A method of treating migraine comprising administering to a subject in need of such treatment a therapeutically effective amount of a compound of one or more of the compounds of claim 1.
49. (WITHDRAWN) A method of treating psychosis comprising administering to a subject in need of such treatment a therapeutically effective amount of a compound of one or more of the compounds of claim 1.
50. (CANCELED) ~~A method for identifying a genetic polymorphism predisposing a subject to being responsive to one or more of the compounds of claim 1, comprising:~~
 ~~administering to a subject a therapeutically effective amount of the compound;~~
 ~~measuring the response of said subject to said compound, thereby identifying a responsive subject having an ameliorated disease condition associated with a monoamine receptor; and~~
 ~~identifying a genetic polymorphism in the responsive subject, wherein the genetic polymorphism predisposes a subject to being responsive to the compound.~~
51. (CANCELED) ~~The method of claim 50 wherein the ameliorated disease condition is associated with the 5-HT class or 5-HT_{2A} subclass of monoaminergic receptors.~~

52. (CANCELED) A method for identifying a subject suitable for treatment with one or more of the compounds of claim 1, comprising detecting the presence of a polymorphism in a subject wherein the polymorphism predisposes the subject to being responsive to the compound, and wherein the presence of the polymorphism indicates that the subject is suitable for treatment with one or more of the compounds of claim 1.

53. (CURRENTLY AMENDED) The compound according to claim 1, wherein the compound is selected from the group consisting of:

N-(1-((4-fluorophenyl)methyl)piperidin-4-yl)-N-((4-methylphenyl)methyl)-N²-phenylmethylearbamide;

N-((4-methylphenyl)methyl)-N-(piperidin-4-yl)-4-methoxyphenylacetamide;

N-((4-methylphenyl)methyl)-N-(1-methylpiperidin-4-yl)-4-methoxyphenylacetamide;

N-(1-ethylpiperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-((4-methylphenyl)methyl)-N-(1-propylpiperidin-4-yl)-4-methoxyphenylacetamide;

N-(1-butylpiperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-(1-(3,3-dimethylbutyl)piperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-(1-(cyclohexylmethyl)piperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-((4-methylphenyl)methyl)-N-(1-(2-methylpropyl)piperidin-4-yl)-4-methoxyphenylacetamide;

N-((4-methylphenyl)methyl)-N-(1-((4-methylphenyl)methyl)piperidin-4-yl)-4-methoxyphenylacetamide;

N-(1-((4-hydroxyphenyl)methyl)piperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-(1-((2-hydroxyphenyl)methyl)piperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-(2-phenylethyl)-N-(piperidin-4-yl)-4-methoxyphenylacetamide;
N-((2-methoxyphenyl)methyl)-N-(piperidin-4-yl)-4-methoxyphenylacetamide;
N-((2-chlorophenyl)methyl)-N-(piperidin-4-yl)-4-methoxyphenylacetamide;
N-((3,4-di-methoxyphenyl)methyl)-N-(piperidin-4-yl)-4-
methoxyphenylacetamide;
N-((4-fluorophenyl)methyl)-N-(piperidin-4-yl)-4-methoxyphenylacetamide;
N-((2,4-di-chlorophenyl)methyl)-N-(piperidin-4-yl)-4-methoxyphenylacetamide;

[[and]]

N-((3-methylphenyl)methyl)-N-(piperidin-4-yl)-4-methoxyphenylacetamide;
and[[.]]

2-(4-methoxyphenyl)-N-(4-chlorobenzyl)-N-(piperidin-4-yl) acetamide.

54. (CURRENTLY AMENDED) The compound according to claim 1, wherein the compound is selected from the group consisting of:

N-((3-bromophenyl)methyl)-N-(piperidin-4-yl)-4-methoxyphenylacetamide;
N-(1-(phenylmethyl)piperidin-4-yl)-N-(3-phenyl-2-propen-1-yl)-4-
methoxyphenylacetamide;
N-((4-methylphenyl)methyl)-N-(1-piperidin-4-yl)-phenylacetamide;
N-((4-methylphenyl)methyl)-N-(1-piperidin-4-yl)-3-phenylpropionamide;
N-((4-methylphenyl)methyl)-N-(1-piperidin-4-yl)-(phenylthio)acetamide;
N-((4-methylphenyl)methyl)-N-(1-piperidin-4-yl)-phenoxyacetamide;
N-((4-methylphenyl)methyl)-N-(1-piperidin-4-yl)-(4-chlorophenoxy)acetamide;
N-((4-methylphenyl)methyl)-N-(1-piperidin-4-yl)-3-methoxyphenylacetamide;
N-((4-methylphenyl)methyl)-N-(1-piperidin-4-yl)-4-fluorophenylacetamide;
N-((4-methylphenyl)methyl)-N-(1-piperidin-4-yl)-2,5-di-
methoxyphenylacetamide;
N-((4-methylphenyl)methyl)-N-(1-piperidin-4-yl)-4-chlorophenylacetamide; and
N-((4-methylphenyl)methyl)-N-(1-(phenylmethyl)pyrrolidin-3-yl)-N'-
phenylmethylearbamide;
N-((4-methylphenyl)methyl)-N-(1-(phenylmethyl)pyrrolidin-3-yl)-4-
methoxyphenylacetamide;

2-(4-methoxyphenyl)-N-(4-methylbenzyl)-N-(piperidin-4-yl) acetamide[[]];
2-(4-methoxyphenyl)-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl) acetamide;
2-(4-methoxyphenyl)-N-(4-methylbenzyl)-N-(1-ethylpiperidin-4-yl) acetamide;
2-(4-methoxyphenyl)-N-(4-chlorobenzyl)-N-(1-ethylpiperidin-4-yl) acetamide;
2-(4-methoxyphenyl)-N-(4-chlorobenzyl)-N-(1-isopropylpiperidin-4-yl) acetamide;
2-(4-methoxyphenyl)-N-(4-chlorobenzyl)-N-(piperidin-4-yl) acetamide; and
2-(4-methoxyphenyl)-N-(4-chlorobenzyl)-N-(1-cyclopentylpiperidin-4-yl)
acetamide.

55. (CURRENTLY AMENDED) The compound according to claim 1, wherein the compound is selected from the group consisting of:

N-(1-(3,3-dimethylbutyl)piperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-((4-methylphenyl)methyl)-N-(1-(2-methylpropyl)piperidin-4-yl)-4-methoxyphenylacetamide;

2-(4-methoxyphenyl)-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl) acetamide;

2-(4-methoxyphenyl)-N-(4-methylbenzyl)-N-(1-ethylpiperidin-4-yl) acetamide;

2-(4-methoxyphenyl)-N-(4-chlorobenzyl)-N-(1-ethylpiperidin-4-yl) acetamide;

2-(4-methoxyphenyl)-N-(4-methylbenzyl)-N-(1-isopropylpiperidin-4-yl)

acetamide;

2-(4-methoxyphenyl)-N-(4-chlorobenzyl)-N-(1-isopropylpiperidin-4-yl)

acetamide;

2-(phenyl)-N-(4-trifluoromethylbenzyl)-N-(1-methylpiperidin-4-yl) acetamide;

2-(4-fluorophenyl)-N-(4-trifluoromethylbenzyl)-N-(1-methylpiperidin-4-yl)

acetamide;

2-(4-Methoxyphenyl)-N-(4-trifluoromethylbenzyl)-N-(1-methylpiperidin-4-yl)

acetamide;

2-(4-Trifluoromethylphenyl)-N-(4-trifluoromethylbenzyl)-N-(1-methylpiperidin-4-

yl) acetamide;

2-(4-Fluorophenyl)-N-(4-fluorobenzyl)-N-(1-methylpiperidin-4-yl) acetamide;

2-(4-Methoxyphenyl)-N-(4-fluorobenzyl)-N-(1-methylpiperidin-4-yl) acetamide;

2-(phenyl)-*N*-(4-fluorobenzyl)-*N*-(1-methylpiperidin-4-yl) acetamide;
2-(4-Trifluoromethylphenyl)-*N*-(4-fluorobenzyl)-*N*-(1-methylpiperidin-4-yl)
acetamide;
2-(4-trifluoromethylphenyl)-*N*-[4-(methoxycarbonyl)benzyl]-*N*-(1-
methylpiperidin-4-yl) acetamide;
2-Phenyl-*N*-[4-(methoxycarbonyl)benzyl]-*N*-(1-methylpiperidin-4-yl) acetamide;
2-(4-Chlorophenyl)-*N*-[4-(methoxycarbonyl)benzyl]-*N*-(1-methylpiperidin-4-yl)
acetamide;
2-(4-Methoxyphenyl)-*N*-[4-(methoxycarbonyl)benzyl]-*N*-(1-methylpiperidin-4-yl)
acetamide;
2-(4-trifluoromethylphenyl)-*N*-[4-(methoxycarbonyl)benzyl]-*N*-(1-
methylpiperidin-4-yl) acetamide;
2-Phenyl-*N*-[4-(methoxycarbonyl)benzyl]-*N*-(1-methylpiperidin-4-yl) acetamide;
2-(4-Chlorophenyl)-*N*-[4-(methoxycarbonyl)benzyl]-*N*-(1-methylpiperidin-4-yl)
acetamide;
2-(4-Methoxyphenyl)-*N*-[4-(methoxycarbonyl)benzyl]-*N*-(1-methylpiperidin-4-yl)
acetamide;
2-(4-methoxyphenyl)-*N*-[2-(4-methylphenyl)ethyl]-*N*-(1-methylpiperidin-4-yl)
acetamide;
2-(4-methoxyphenyl)-*N*-[2-(4-nitrophenyl)ethyl]-*N*-(1-methylpiperidin-4-yl)
acetamide;
2-(4-methoxyphenyl)-*N*-(4-methylbenzyl)-*N*-[1-(4-chloromethyl-2-
thiazolylmethyl) piperidin-4-yl] acetamide;
2-(4-methoxyphenyl)-*N*-(4-methylbenzyl)-*N*-(1-[3(1,3-dihydro-2H-benzimidazol-
2-on-1-yl) propyl] piperidin-4-yl) acetamide; and
2-(4-methoxyphenyl)-*N*-(2-(4-fluorophenyl) ethyl)-*N*-(1-methylpiperidin-4-yl)
acetamide;[[.]]
2-(4-methoxyphenyl)-*N*-[2-(2,5-dimethoxyphenyl) ethyl]-*N*-(1-methylpiperidin-4-
yl) acetamide;

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2-(4-methoxyphenyl)-N-[2-(2,4-dichlorophenyl) ethyl]-N-(1-methylpiperidin-4-yl)
acetamide;

2-(4-methoxyphenyl)-N-[2-(3-chlorophenyl) ethyl]-N-(1-methylpiperidin-4-yl)
acetamide;

2-(4-methoxyphenyl)-N-[2-(4-methoxyphenyl) ethyl]-N-(1-methylpiperidin-4-yl)
acetamide;

2-(4-methoxyphenyl)-N-[2-(3-fluorophenyl) ethyl]-N-(1-methylpiperidin-4-yl)
acetamide;

2-(4-ethoxyphenyl)-N-[2-(4-fluorophenyl)ethyl]-N-(1-methylpiperidin-4-yl)
acetamide;

2-(4-ethoxyphenyl)-N-(4-fluorobenzyl)-N-(1-methylpiperidin-4-yl) acetamide;
N-((4-methylphenyl)methyl)-N-(1-methylpiperidin-4-yl)-2-(3-hydroxy-4-
methoxyphenyl) acetamide;

N-((4-methylphenyl)methyl)-N-(1-methylpiperidin-4-yl)-2-(3,4-dihydroxyphenyl)
acetamide;

N-((3-hydroxy-4-methylphenyl)methyl)-N-(1-methylpiperidin-4-yl)-2-(4-
methoxyphenyl) acetamide;

N-((4-methylphenyl)methyl)-N-(1-methylpiperidin-4-yl)-2-(4-bromophenyl)
acetamide;

N-((4-methylphenyl)methyl)-N-(1-methylpiperidin-4-yl)-2-(4-iodophenyl)
acetamide;

N-((4-methylphenyl)methyl)-N-(1-methylpiperidin-4-yl)-2-(4-(2-propyl)phenyl)
acetamide;

N-((4-methylphenyl)methyl)-N-(1-methylpiperidin-4-yl)-2-(4-
trifluoromethoxyphenyl) acetamide;

N-((4-methylphenyl)methyl)-N-(1-methylpiperidin-4-yl)-2-(4-methylthiophenyl)
acetamide;

N-((4-methylphenyl)methyl)-N-(1-methylpiperidin-4-yl)-2-(4-(N,N'-
dimethylamino)phenyl) acetamide;

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N-((4-methylphenyl)methyl)-N-(1-methylpiperidin-4-yl)-2-(4-nitrophenyl)
acetamide;

N-((4-methylphenyl)methyl)-N-(1-methylpiperidin-4-yl)-2-(4-methoxy-3-
methylphenyl) acetamide;

N-((4-methylphenyl)methyl)-N-(1-methylpiperidin-4-yl)-2-(4-methylphenyl)
acetamide;

N-((4-(hydroxymethyl)phenyl)methyl)-N-(1-methylpiperidin-4-yl)-2-(4-
methoxyphenyl) acetamide;

2-(4-Chlorophenyl)-N-(4-methylbenzyl)-N-(1-isopropylpiperidin-4-yl)-acetamide;

2-(4-Chlorophenyl)-N-(4-methylbenzyl)-N-(1-ethylpiperidin-4-yl)-acetamide;

2-Phenyl-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl)-acetamide;

2-(4-Chlorophenyl)-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl)-acetamide;

2-(4-Fluorophenyl)-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl)-acetamide;

2-(4-Chlorophenyl)-N-(4-methylbenzyl)-N-(1-(2-hydroxyethyl)-piperidin-4-yl)-
acetamide;

2-Phenyl-N-(4-methoxybenzyl)-N-(1-methylpiperidin-4-yl)-acetamide;

2-(4-Trifluoromethylphenyl)-N-(4-methoxybenzyl)-N-(1-methylpiperidin-4-yl)-
acetamide;

2-(4-Fluorophenyl)-N-(4-methoxybenzyl)-N-(1-methylpiperidin-4-yl)-acetamide;

2-(4-Methoxyphenyl)-N-(4-methoxybenzyl)-N-(1-methylpiperidin-4-yl)-
acetamide;

2-(4-Methylphenyl)-N-(4-chlorobenzyl)-N-(1-methylpiperidin-4-yl)-acetamide;

2-(4-Hydroxyphenyl)-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl)-acetamide;

2-(3,4-dimethoxyphenyl)-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl)
acetamide;

2-(4-Methoxyphenyl)-N-(4-methylbenzyl)-N-(1-t-butylpiperidin-4-yl)-acetamide;

2-(4-Ethoxyphenyl)-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl) acetamide;

2-(4-Butoxyphenyl)-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl) acetamide;

and

2-(4-i-Propoxyphenyl)-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl) acetamide.

56. (CURRENTLY AMENDED) The compound according to claim 1, wherein the compound is selected from the group consisting of:

~~2-(4-methoxyphenyl)-N-[2-(2,5-dimethoxyphenyl)-ethyl]-N-(1-methylpiperidin-4-yl)acetamide;~~

~~2-(4-methoxyphenyl)-N-[2-(2,4-dichlorophenyl)-ethyl]-N-(1-methylpiperidin-4-yl)acetamide;~~

~~2-(4-methoxyphenyl)-N-[2-(3-chlorophenyl)-ethyl]-N-(1-methylpiperidin-4-yl)acetamide;~~

~~2-(4-methoxyphenyl)-N-[2-(4-methoxyphenyl)-ethyl]-N-(1-methylpiperidin-4-yl)acetamide;~~

~~2-(4-methoxyphenyl)-N-[2-(3-fluorophenyl)-ethyl]-N-(1-methylpiperidin-4-yl)acetamide;~~

~~2-(4-ethoxyphenyl)-N-[2-(4-fluorophenethyl)]-N-(1-methylpiperidin-4-yl)acetamide;~~

~~2-(4-ethoxyphenyl)-N-(4-fluorobenzyl)-N-(1-methylpiperidin-4-yl)acetamide;~~

~~2-(4-methoxyphenyl)-N-(4-methylbenzyl)-N-[1-((2-chloro-5-thienyl)methyl)piperidin-4-yl]acetamide;~~

~~2-Phenyl-N-[4-(methoxycarbonyl)benzyl]-N-(1-methylpiperidin-4-yl)acetamide;~~

~~2-(4-Chlorophenyl)-N-[4-(methoxycarbonyl)benzyl]-N-(1-methylpiperidin-4-yl)acetamide;~~

~~N-((4-methylphenyl)methyl)-N-(1-((4-methylphenyl)methyl)piperidin-4-yl)-4-methoxyphenylacetamide;~~

~~N-(1-((4-hydroxyphenyl)methyl)piperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;~~

~~N-(1-((2-hydroxyphenyl)methyl)piperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;~~

~~2-(4-methoxyphenyl)-N-(4-methylbenzyl)-N-[1-(4-chloromethyl-2-thiazolylmethyl)piperidin-4-yl]acetamide;~~

~~2-(4-methoxyphenyl)-N-(4-methylbenzyl)-N-[1-((2-chloro-5-thienyl)methyl)piperidin-4-yl]acetamide;~~

2-(4-methoxyphenyl)-*N*-(4-methylbenzyl)-*N*-{1-[2-(3-indolyl)ethyl] piperidin-4-yl} acetamide;

2-(4-methoxyphenyl)-*N*-(4-methylbenzyl)-*N*-{1-[3-(1,2,4-triazol-1-yl)propyl]piperidin-4-yl} acetamide;

2-(4-methoxyphenyl)-*N*-(4-methylbenzyl)-*N*-[1-(5-benzofurazanylmethyl)piperidin-4-yl] acetamide;

2-(4-methoxyphenyl)-*N*-(4-methylbenzyl)-*N*-[1-(5-chlorobenzo[b]thien-3-ylmethyl) piperidin-4-yl] acetamide; and

2-(4-methoxyphenyl)-*N*-(4-methylbenzyl)-*N*-[1-(5-phenyl-1,2,4-oxadiazol-3-ylmethyl)piperidin-4-yl] acetamide[;].

~~2-(4-Chlorophenyl)-*N*-(4-methylbenzyl)-*N*-(1-isopropylpiperidin-4-yl)-acetamide;~~

~~2-(4-Chlorophenyl)-*N*-(4-methylbenzyl)-*N*-(1-ethylpiperidin-4-yl)-acetamide;~~

~~2-Phenyl-*N*-(4-methylbenzyl)-*N*-(1-methylpiperidin-4-yl)-acetamide.~~

57. (CURRENTLY AMENDED) The compound according to claim 1, wherein the compound is selected from the group consisting of:

~~2-(4-Chlorophenyl)-*N*-(4-methylbenzyl)-*N*-(1-methylpiperidin-4-yl)-acetamide;~~

N-(1-(cyclohexylmethyl)piperidin-4-yl)-*N*-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

2-(4-methoxyphenyl)-*N*-(4-methylbenzyl)-*N*-(1-cyclohexylmethylpiperidin-4-yl) acetamide;

2-(4-methoxyphenyl)-*N*-(4-methylbenzyl)-*N*-(1-cyclopentylpiperidin-4-yl) acetamide;

2-(4-methoxyphenyl)-*N*-(4-chlorobenzyl)-*N*-(1-cyclopentylpiperidin-4-yl) acetamide;

2-(4-Chlorophenyl)-*N*-(4-methylbenzyl)-*N*-(1-cyclopentylpiperidin-4-yl)-acetamide;

~~2-(4-Fluorophenyl)-*N*-(4-methylbenzyl)-*N*-(1-methylpiperidin-4-yl)-acetamide;~~

~~2-(4-Chlorophenyl)-*N*-(4-methylbenzyl)-*N*-(1-(2-hydroxyethyl)piperidin-4-yl)-acetamide;~~

2-(4-Chlorophenyl)-N-(4-methylbenzyl)-N-(1-cyclobutylpiperidin-4-yl)-
acetamide; and

2-(4-Methoxyphenyl)-N-(4-methylbenzyl)-N-(1-cyclobutylpiperidin-4-yl)-
acetamide[[]].

~~N-(4-Methylbenzyl)-N-(1-methylpiperidin-4-yl)-N'-benzyl-carbamide;~~

~~N-(4-Methylbenzyl)-N-(1-methylpiperidin-4-yl)-N'-phenyl-carbamide;~~

~~N-Phenethyl-N-(1-methylpiperidin-4-yl)-N'-benzyl-carbamide;~~

~~2-Phenyl-N-(4-methoxybenzyl)-N-(1-methylpiperidin-4-yl)-acetamide;~~

~~2-(4-Trifluoromethylphenyl)-N-(4-methoxybenzyl)-N-(1-methylpiperidin-4-yl)-
acetamide;~~

~~2-(4-Fluorophenyl)-N-(4-methoxybenzyl)-N-(1-methylpiperidin-4-yl)-acetamide;~~

~~2-(4-Methoxyphenyl)-N-(4-methoxybenzyl)-N-(1-methylpiperidin-4-yl)-
acetamide;~~

~~2-(4-Methylphenyl)-N-(4-chlorobenzyl)-N-(1-methylpiperidin-4-yl)-acetamide;~~

~~2-(4-Hydroxyphenyl)-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl)-acetamide;~~

~~N-Phenethyl-N-(1-methylpiperidin-4-yl)-N'-phenyl-carbamide;~~

~~N-(3-Phenylpropyl)-N-(1-methylpiperidin-4-yl)-N'-benzyl-carbamide;~~

~~N-(3-Phenylpropyl)-N-(1-methylpiperidin-4-yl)-N'-phenyl-carbamide;~~

~~2-(4-Methoxyphenyl)-2,2-ethylene-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-
yl)-acetamide; and~~

~~2-(4-Methoxyphenyl)-N-alpha-methylbenzyl-N-(1-methylpiperidin-4-yl)-
acetamide.~~

58. (CURRENTLY AMENDED) The compound according to claim 1, wherein the
compound is selected from the group consisting of:

N-(1-cyclohexylpiperidin-4-yl)-N-((4-methylphenyl)methyl)-4-
methoxyphenylacetamide;

N-(1-cyclopentylpiperidin-4-yl)-N-((4-methylphenyl)methyl)-4-
methoxyphenylacetamide;

N-(1-cyclobutylpiperidin-4-yl)-N-((4-methylphenyl)methyl)-4-
methoxyphenylacetamide;

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N-(1-cyclopropylpiperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-(1-(cyclopentylmethyl)piperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-(1-(cyclobutylmethyl)piperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-(1-(cyclopropylmethyl)piperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide;

N-(1-(2-hydroxyethyl)piperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide; and

N-(1-(3-hydroxypropyl)piperidin-4-yl)-N-((4-methylphenyl)methyl)-4-methoxyphenylacetamide.

2-(4-Methoxyphenyl)-N-(4-methylbenzyl)-N-(8-methyl-8-aza-bicyclo[3.2.1]oct-3-yl)-acetamide; and

2-(4-Methoxyphenyl)-N-(4-methylbenzyl)-N-(8-methyl-8-aza-bicyclo[3.2.1]octen-3-yl)-acetamide.

59. (CURRENTLY AMENDED) The compound according to claim 1, wherein the A compound is selected from the group consisting of:

2-Phenyl-2-ethyl-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl) acetamide;

N-Phenethyl-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl)-amine;

2-(4-Methoxyphenyl)-N-(1-indanyl)-N-(1-methylpiperidin-4-yl) acetamide;

2-(4-Methoxyphenyl)-2,2-ethylene-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl) acetamide;

2-(4-Methoxyphenyl)-(1-phenylethyl)-N-(1-methylpiperidin-4-yl) acetamide;

N-(4-Methylbenzyl)-N-(1-methylpiperidin-4-yl)-N'-(4-methoxybenzyl)-carbamide;

2-(3,4-dimethoxyphenyl)-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl) acetamide;

2-(3,4-Methylenedioxyphenyl)-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl) acetamide;

2-(4-methoxyphenyl)-N-(4-methylbenzyl)-N-{1-[3(1,3-dihydro-2H-benzimidazol-2-on-1-yl)propyl]piperidin-4-yl} acetamide;

2-(4-methoxyphenyl)-N-(4-methylbenzyl)-N-{1-[2-(2-hydroxyethoxy)ethyl]piperidin-4-yl} acetamide;

2-(4-methoxyphenyl)-N-(4-methylbenzyl)-N-[1-(2-(imidazolidinon-1-yl)ethyl)piperidin-4-yl] acetamide;

2-(4-methoxyphenyl)-N-(4-methylbenzyl)-N-{1-[2-(2,4(1H,3H)quinazolinedion-3-yl)ethyl]piperidin-4-yl} acetamide; and

2-(4-methoxyphenyl)-N-(4-methylbenzyl)-N-{1-[2-(1,3-dioxolan-2-yl)ethyl]piperidin-4-yl} acetamide[;].

~~2-(4-Methoxyphenyl)-N-(4-methylbenzyl)-N-(1-t-butylpiperidin-4-yl)-acetamide;~~

~~N-(4-Methylbenzyl)-N-(1-methylpiperidin-4-yl)-N'-phenethyl-carbamide;~~

~~N-Phenethyl-N-(1-methylpiperidin-4-yl)-N'-phenethyl-carbamide;~~

~~N-(4-Methylbenzyl)-N-(1-t-butylpiperidin-4-yl)-N'-(4-methoxybenzyl)-carbamide;~~

~~2-(4-Ethoxyphenyl)-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl)-acetamide;~~

~~2-(4-Butoxyphenyl)-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl)-acetamide;~~

~~2-(4-i-Propoxyphenyl)-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl)-acetamide;~~

~~2-(4-t-Butoxyphenyl)-N-(4-methylbenzyl)-N-(1-methylpiperidin-4-yl)-acetamide;~~

~~2-(4-Butoxyphenyl)-N-(4-fluorobenzyl)-N-(1-methylpiperidin-4-yl)-acetamide;~~

~~2-(4-Propoxyphenyl)-N-(4-fluorobenzyl)-N-(1-methylpiperidin-4-yl)-acetamide;~~

~~2-(4-i-Propoxyphenyl)-N-(4-fluorobenzyl)-N-(1-methylpiperidin-4-yl)-acetamide;~~

and

~~2-(4-t-Butoxyphenyl)-N-(4-fluorobenzyl)-N-(1-methylpiperidin-4-yl)-acetamide.~~

60. (CURRENTLY AMENDED) A compound according to claim [[5]]1, wherein

R is a lower alkyl group;

[[n = 1;]]

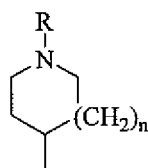
Y₁ is methylene[[,]] and Y₂ is a bond, ~~methylene, ethylene, or vinylene;~~

X₁ is methylene and X₂ is a bond;[[, or]]

~~X₁ is NH or N(lower alkyl) and X₂ is methylene; and~~

Ar₁ and Ar₂ are unsubstituted or substituted phenyl groups, ~~independently *p*-substituted with groups selected from lower alkyl, lower alkoxy and halogen.~~

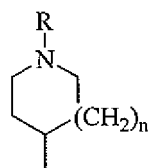
61. (CANCELED)
62. (CANCELED)
63. (CANCELED)
64. (CANCELED)
65. (CANCELED)
66. (WITHDRAWN) A method of alleviating a condition associated with non-selective antipsychotic compounds comprising administering a therapeutically effective amount of a one or more of the compounds of claim 1 to a subject suffering from said condition.
67. (WITHDRAWN) The method according to claim 66, wherein the compound of claim 1 is a selective antagonist or inverse agonist of a 5-HT_{2A} receptor.
68. (WITHDRAWN) The method according to claim 66, wherein the compound of claim 1 has little to no activity on other monamine receptors.
69. (WITHDRAWN) The method according to claim 68, wherein one of the other monamine receptors is a dopamine D₂ receptor.
70. (WITHDRAWN) The method according to claim 66, wherein Z is



and W is oxygen in the compound of claim 1.

71. (WITHDRAWN) The method according to claim 66, wherein
R is a hydrogen, a lower alkyl group, a cyclic organyl group, or a substituted or unsubstituted aralkyl or heteroaralkyl group;
n is 1;
Y₁ is methylene, Y₂ is a bond, methylene, ethylene, or vinylene;
X₁ is methylene and X₂ is a bond, or X₁ is NH or N(lower alkyl) and X₂ is methylene; and
Ar₁ and Ar₂ are phenyl groups, independently *p*-substituted with groups selected from lower alkyl, lower alkoxy and halogen in the compound of claim 1.

72. (WITHDRAWN) A method of alleviating a condition which is a side effect which can arise in an individual who takes an antipsychotic compound which possess broad activity at multiple monamine receptors subtypes, comprising administering a therapeutically effective amount of one or more of the compounds of claim 1 to subject suffering from said condition.
73. (WITHDRAWN) The method according to claim 72, wherein the compound of claim 1 is a selective antagonist or inverse agonist of a 5-HT_{2A} receptor.
74. (WITHDRAWN) The method according to claim 72, wherein the compound of claim 1 has little to no activity on other monamine receptors.
75. (WITHDRAWN) The method according to claim 74, wherein one of the other monamine receptors is a dopamine D₂ receptor.
76. (WITHDRAWN) The method according to claim 72, wherein Z is



and W is oxygen in the compound of claim 1.

77. (WITHDRAWN) The method according to claim 72, wherein
- R is a hydrogen, a lower alkyl group, a cyclic organyl group, or a substituted or unsubstituted aralkyl or heteroaralkyl group;
- n is 1;
- Y₁ is methylene, Y₂ is a bond, methylene, ethylene, or vinylene;
- X₁ is methylene and X₂ is a bond, or X₁ is NH or N(lower alkyl) and X₂ is methylene; and
- Ar₁ and Ar₂ are phenyl groups, independently *p*-substituted with groups selected from lower alkyl, lower alkoxy and halogen in the compound of claim 1.
78. (NEW) A compound according to claim 1, wherein the compound is selected from the group consisting of:
- 2-(4-methoxyphenyl)-N-[2-(2-thienyl)ethyl]-N-(1-methylpiperidin-4-yl) acetamide;
- 2-(4-Methoxyphenyl)-N-(2-thienylmethyl)-N-(1-methylpiperidin-4-yl) acetamide;

2-(4-Methoxyphenyl)-N-(furfuryl)-N-(1-methylpiperidin-4-yl) acetamide;

2(2-thienyl)-N-(4-methylphenylmethyl)-N-(1-methylpiperidin-4-yl) acetamide;

and

N-((4-methylphenyl)methyl)-N-(1-methylpiperidin-4-yl)-2-(4-pyridyl) acetamide.

79. (NEW) A compound according to claim 1, wherein R is aralkyl and heteroaralkyl.
80. (NEW) A compound according to claim 8, wherein R is aralkyl and heteroaralkyl.
81. (NEW) A compound according to claim 14, wherein R is aralkyl and heteroaralkyl.
82. (NEW) A compound according to claim 4, wherein R is a straight-chained or branched alkyl, a straight-chained or branched alkenyl, or a straight-chained or branched alkynyl.
83. (NEW) A compound according to claim 82, wherein Y₁ is methylene and Y₂ is a bond; and X₁ is methylene and X₂ is bond.
84. (NEW) A compound according to claim 83, wherein Ar₁ and Ar₂ are phenyl groups, independently *p*-substituted with groups selected from alkyl, lower alkoxy and halogen.
85. (NEW) A compound according to claim 11 wherein R is a straight-chained or branched alkyl, a straight-chained or branched alkenyl, or a straight-chained or branched alkynyl.
86. (NEW) A compound according to claim 85, wherein Y₁ is methylene and Y₂ is a bond; and X₁ is methylene and X₂ is bond.
87. (NEW) A compound according to claim 86, wherein Ar₁ and Ar₂ are phenyl groups, independently *p*-substituted with groups selected from alkyl, lower alkoxy and halogen.
88. (NEW) A compound according to claim 60, wherein Ar₁ and Ar₂ are phenyl groups, independently *p*-substituted with groups selected from lower alkyl, lower alkoxy and halogen.